

Figure 1

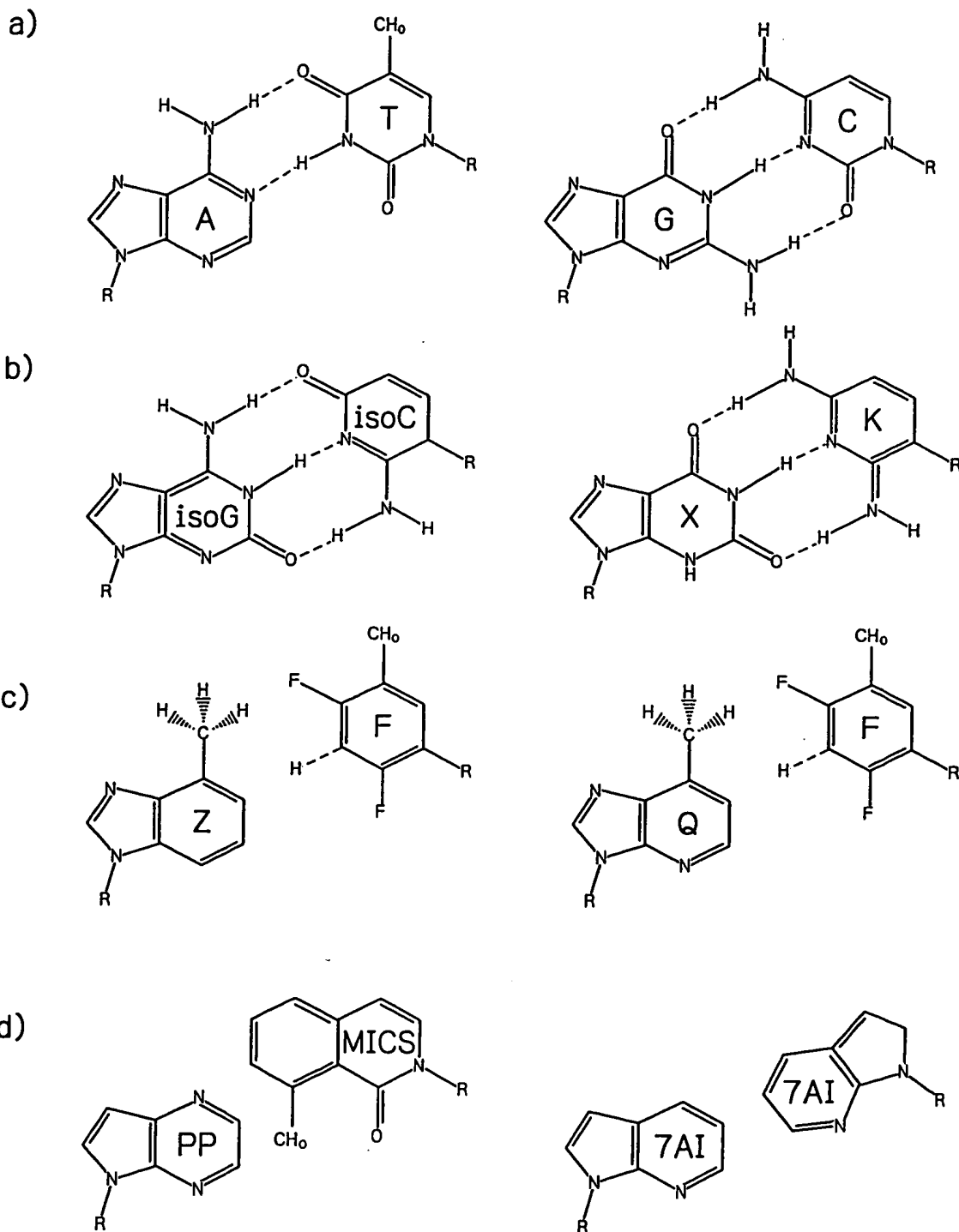


Figure 2

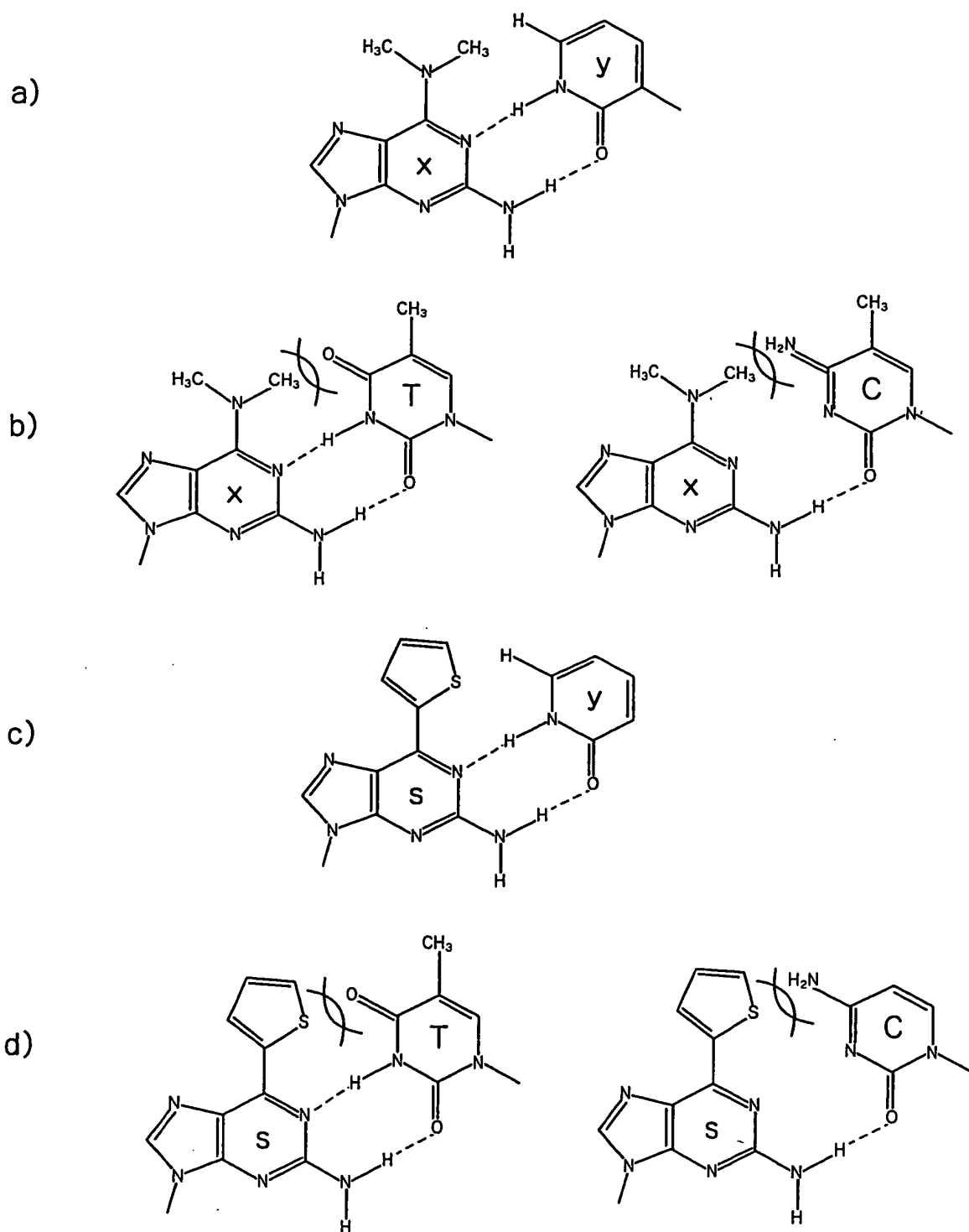


Figure 3

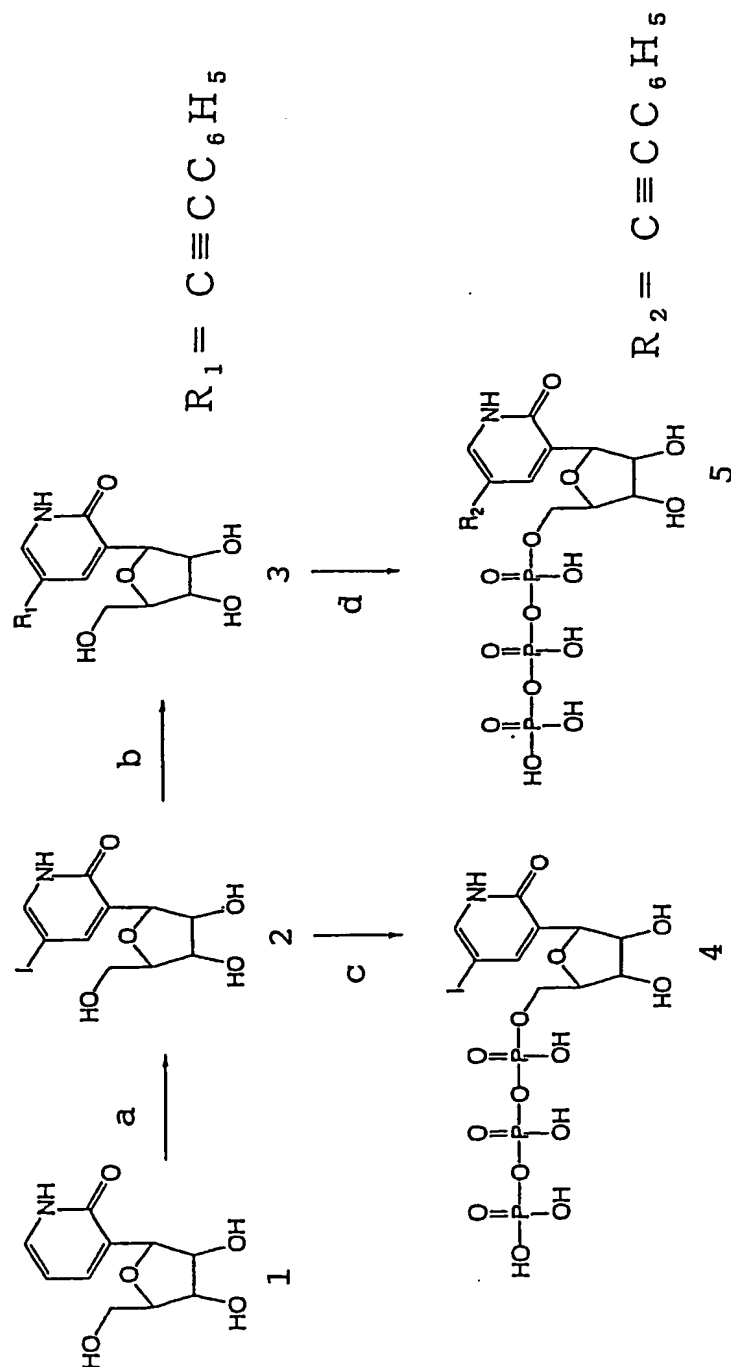
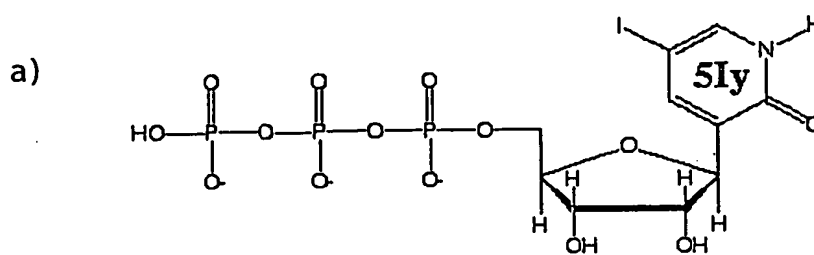
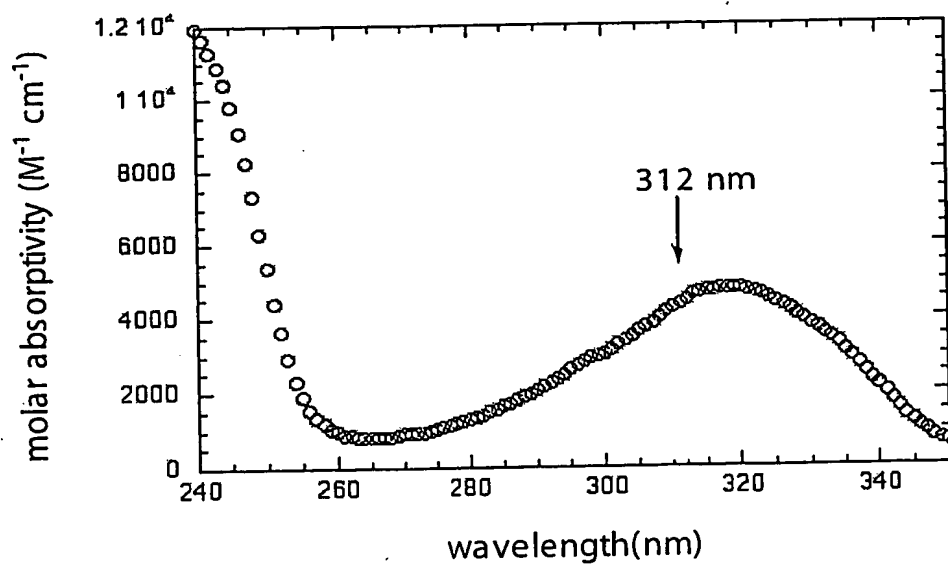


Figure 4



b)



## Figure 5

a)

5'-end primer; 39-mer

39.45 : 5' -GGTAATACGACTCACTATAGGGAGTGGAGGAATTCATCG

3'-end primer; 29-mer

29.45 : 5' -GCAGAAGCTTGCTGTCGCTAAGGCATATG

29.45s84 : 5' -GCAGAAGCTTGCTGTCsCTAAGGCATATG

29.45s87 : 5' -GCAGAAGCTTGCTsTCGCTAAGGCATATG

29.45s92 : 5' -GCAGAAGCsTCGCTGTCGCTAAGGCATATG

29.45s84/92 : 5' -GCAGAAGCsTCGCTGTCsCTAAGGCATATG

b)

5' - GGGAGUGGAG GAAUUCAUCG AGGCAUAUGU CGACUCCGUC UCCCUUCAA  
CCAGUUUAAA AUUGGUUUUA GCAUAUGCCU UAGCGACAGC AAGCUUCUGC

Figure 6

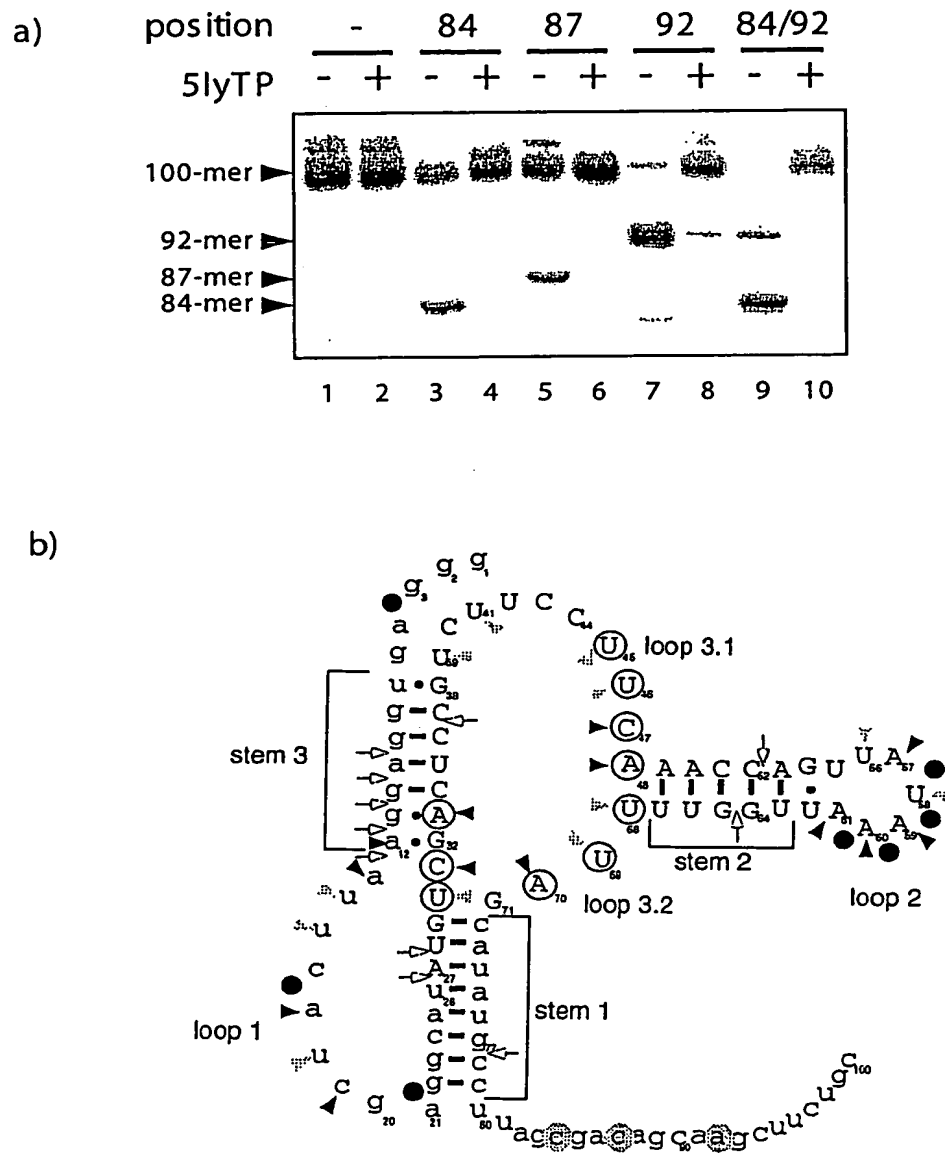


Figure 7

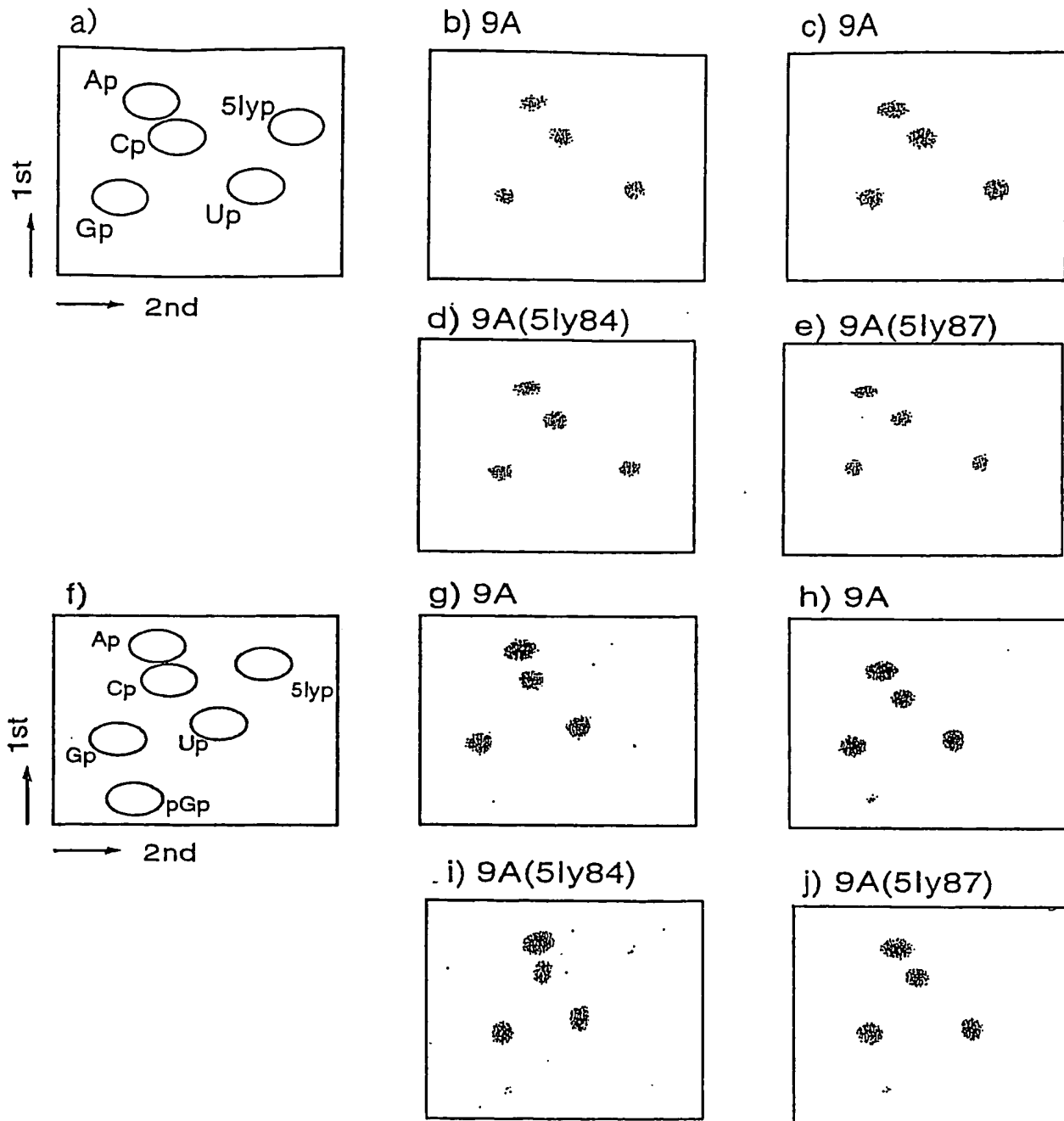


Figure 8

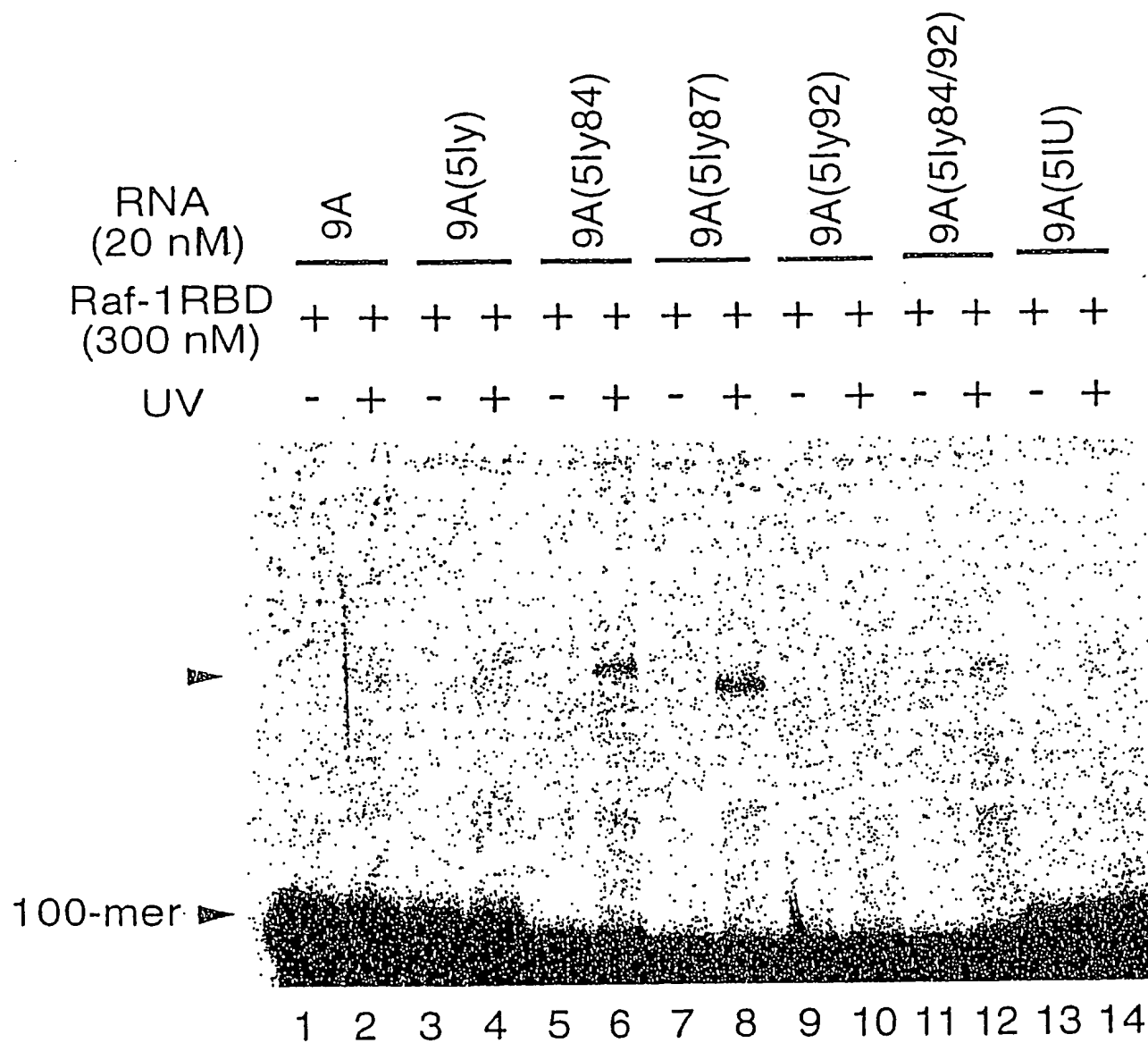




Figure 9

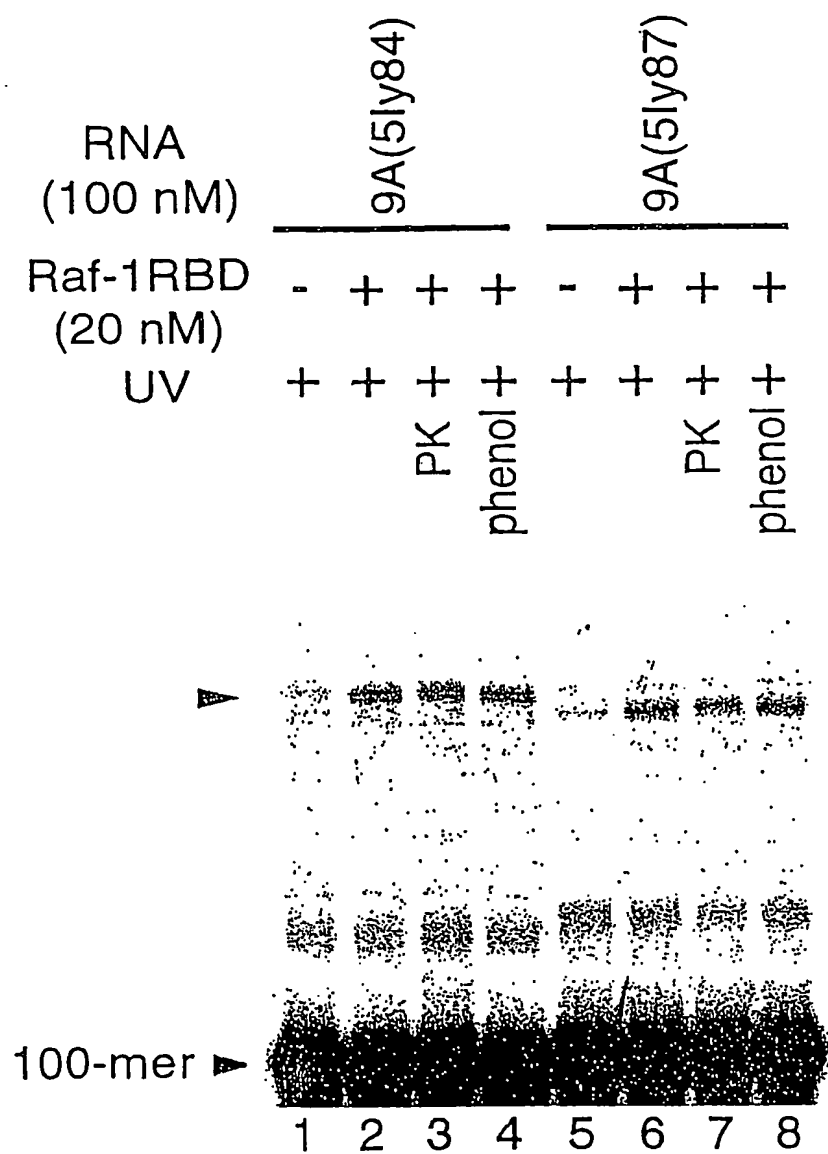
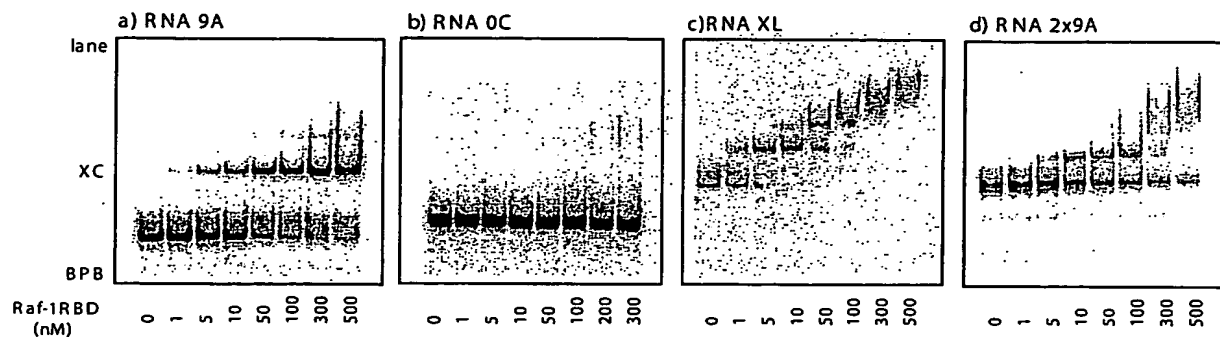


Figure 10



e) RNA 9A :100-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N<sub>45</sub>-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-3'

AUGUCGACUCCGUCUCCUCAAACCAGUUUAAAUUGGUUUUAG

RNA 9A(5ly87) :100-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N<sub>45</sub>-] cauaugccuuagcga5IyCAGCAAGCUUCUGC-3'

RNA 2x9A :200-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N<sub>45</sub>-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC--GGGAGUGGAGGAAUUCaucGAGGCAU [-N<sub>45</sub>-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-3'

RNA 0C :100-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N<sub>45</sub>-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-3'

CUGGGAACCCUAUCUUGCUUUUGGUAGCUGUAUUCACCUGUAACAG

RNA XL : cross-linking product generated from two molecules of 9A(5ly87)

Figure 11

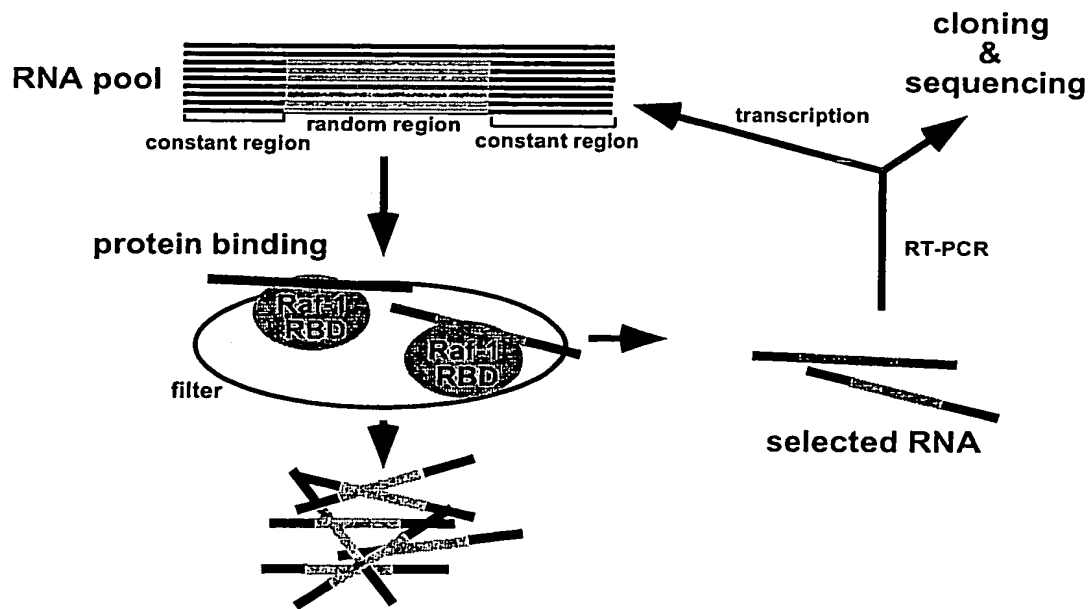


Figure 12

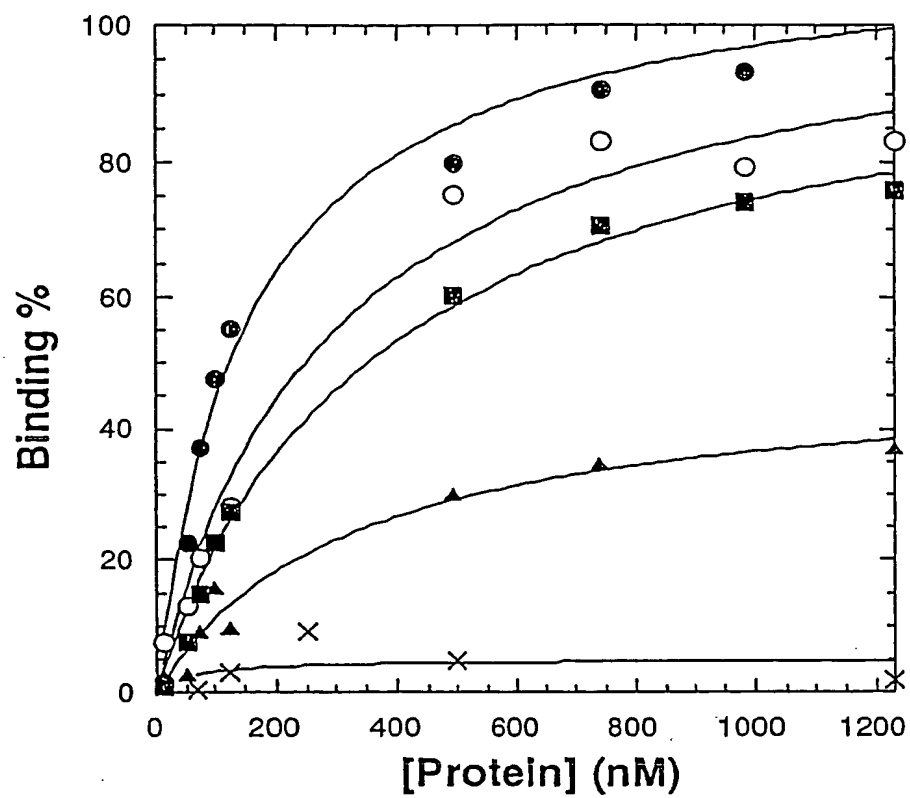


Figure 13

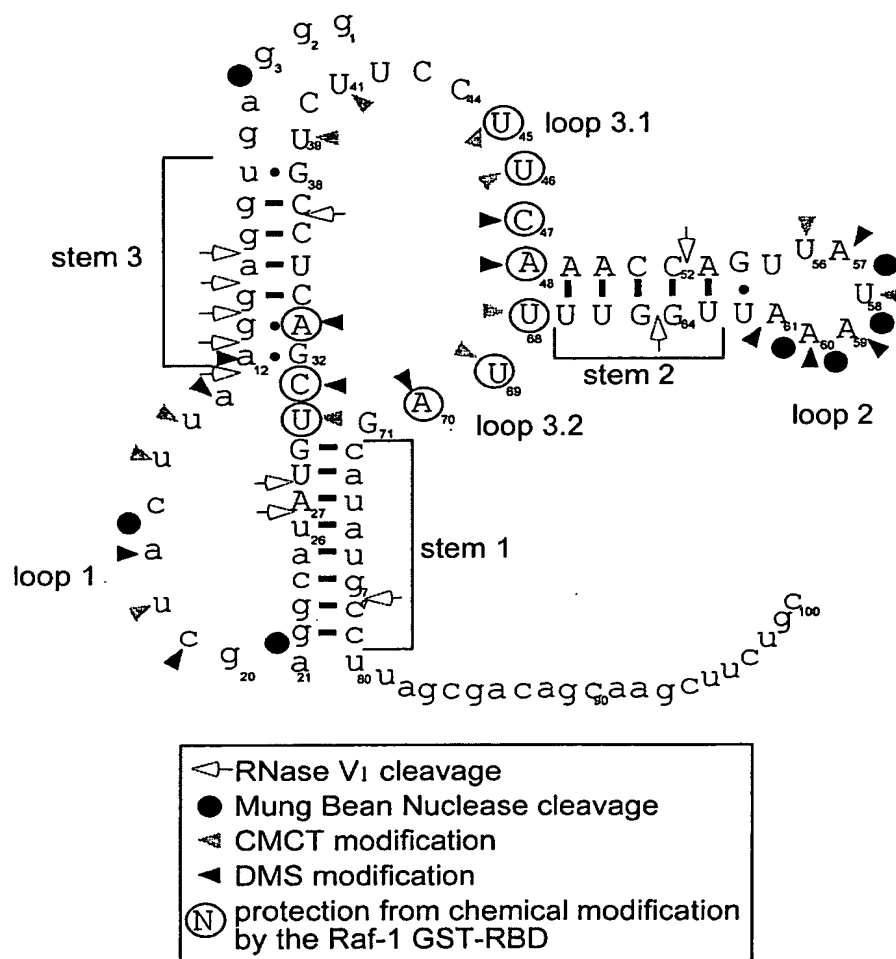
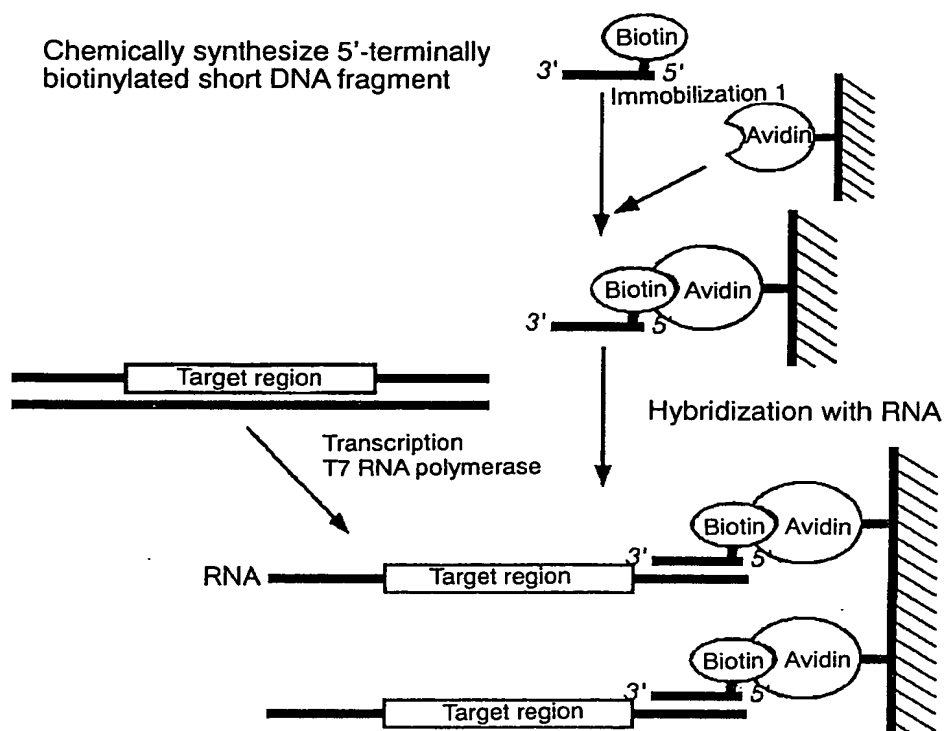


Figure 14

## Conventional Method 1



## Conventional Method 2

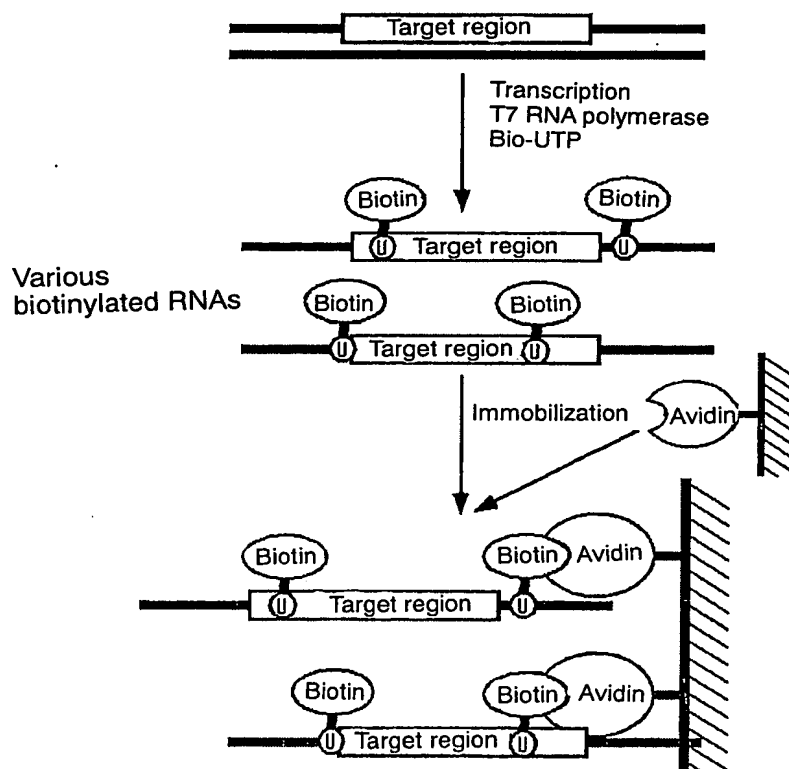
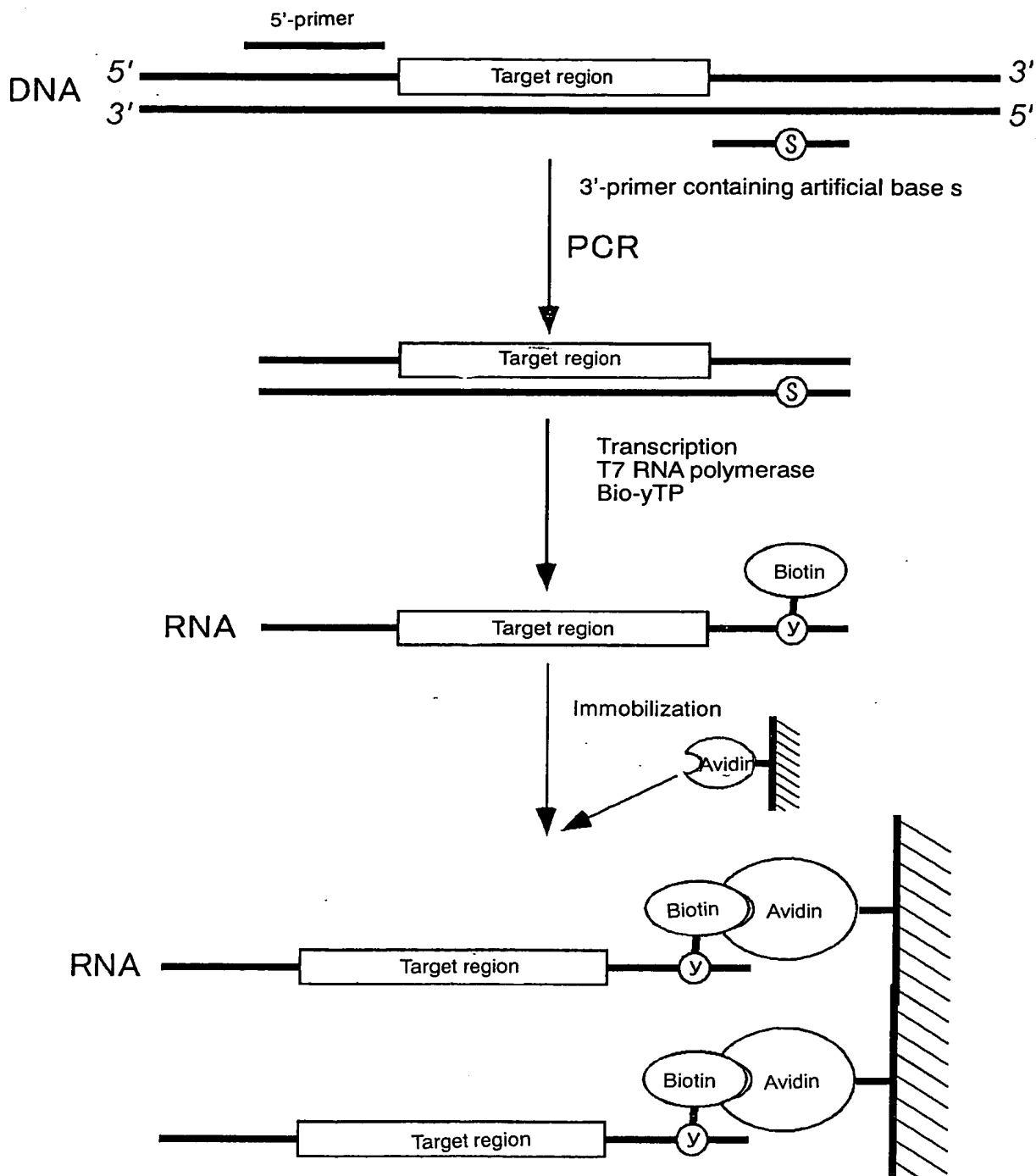


Figure 14 (Continued)

## Inventive Method based on artificial base pairing



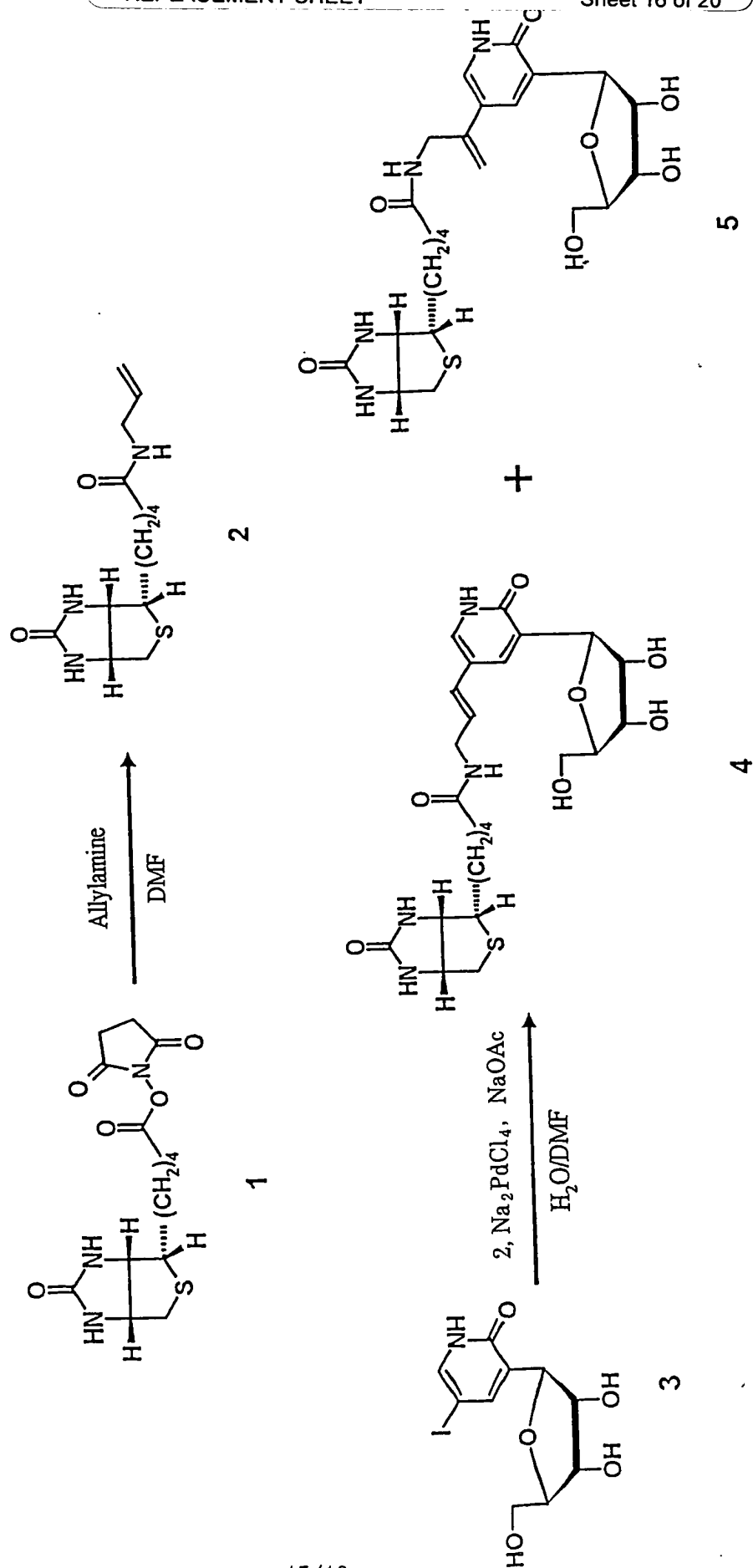


Figure 15



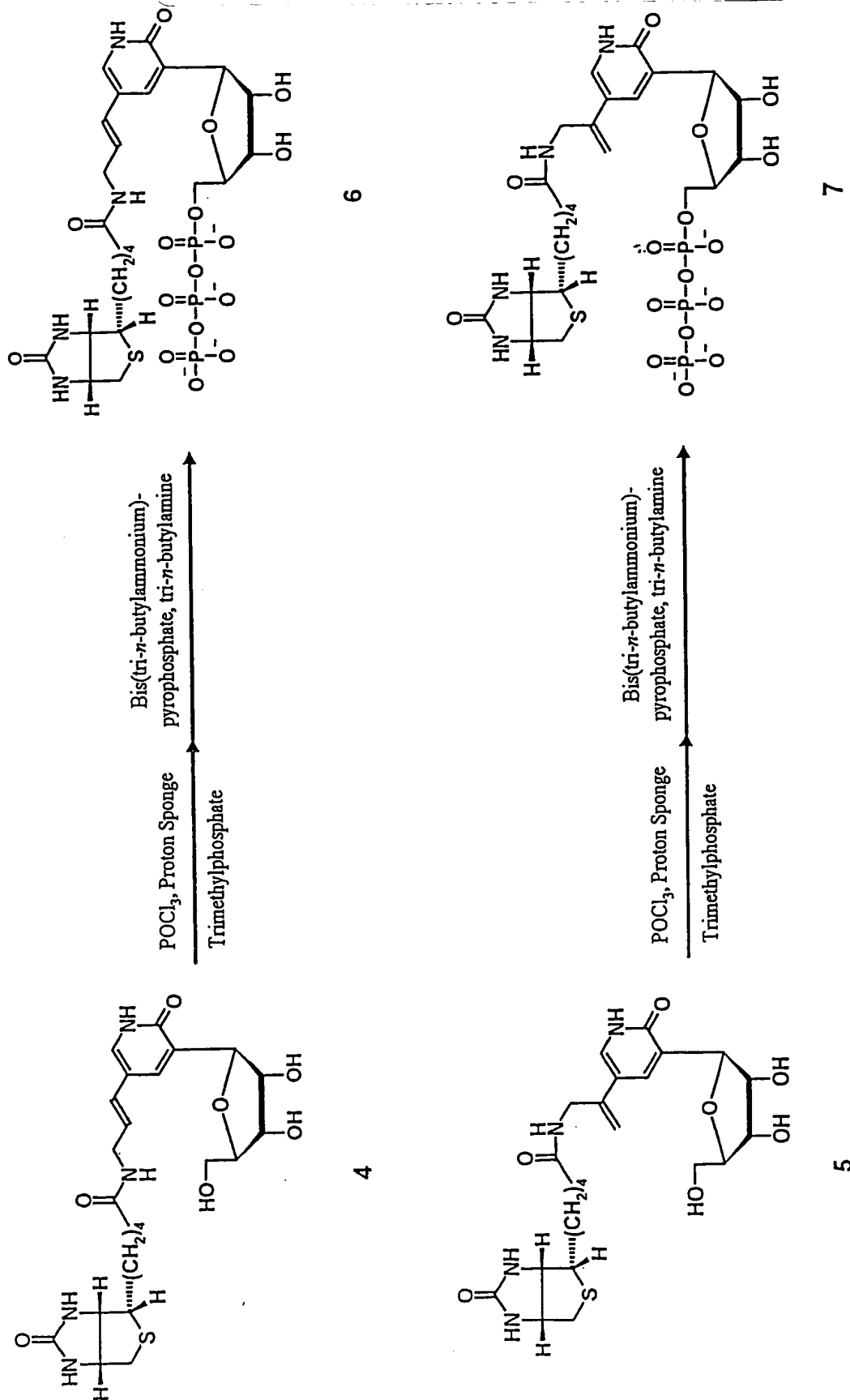


Figure 16

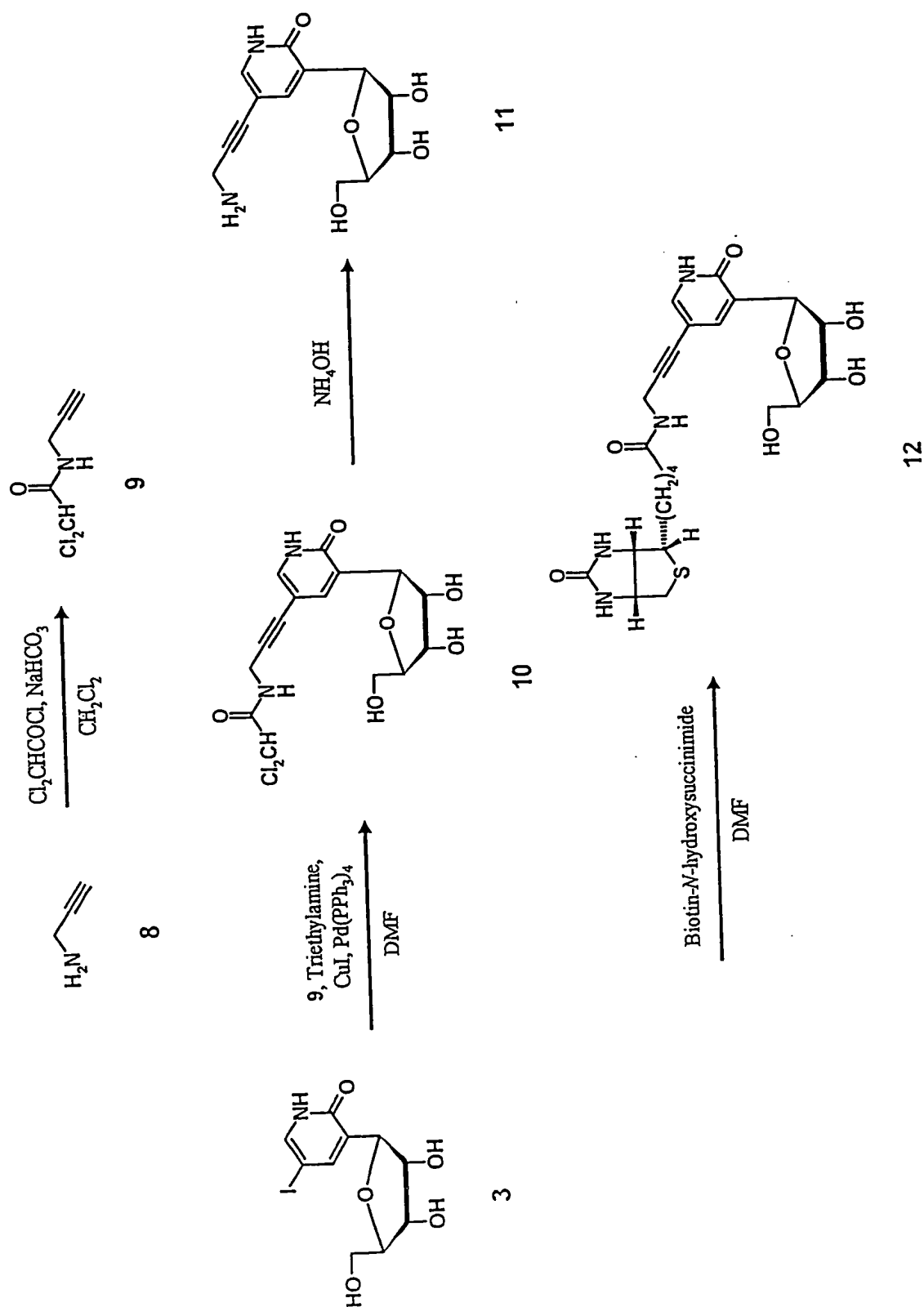


Figure 17

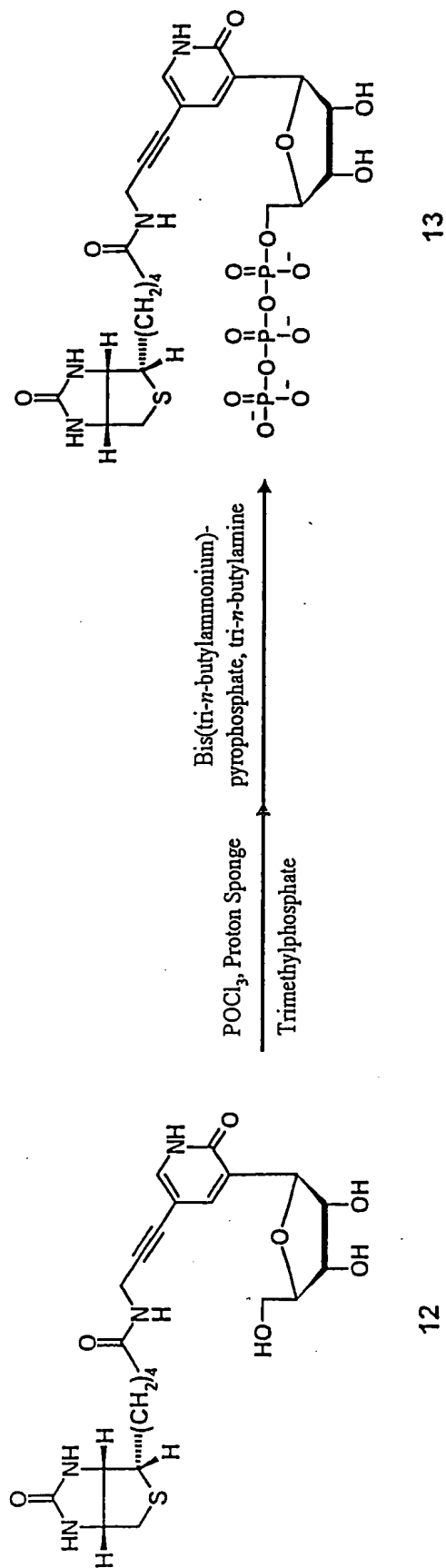


Figure 18

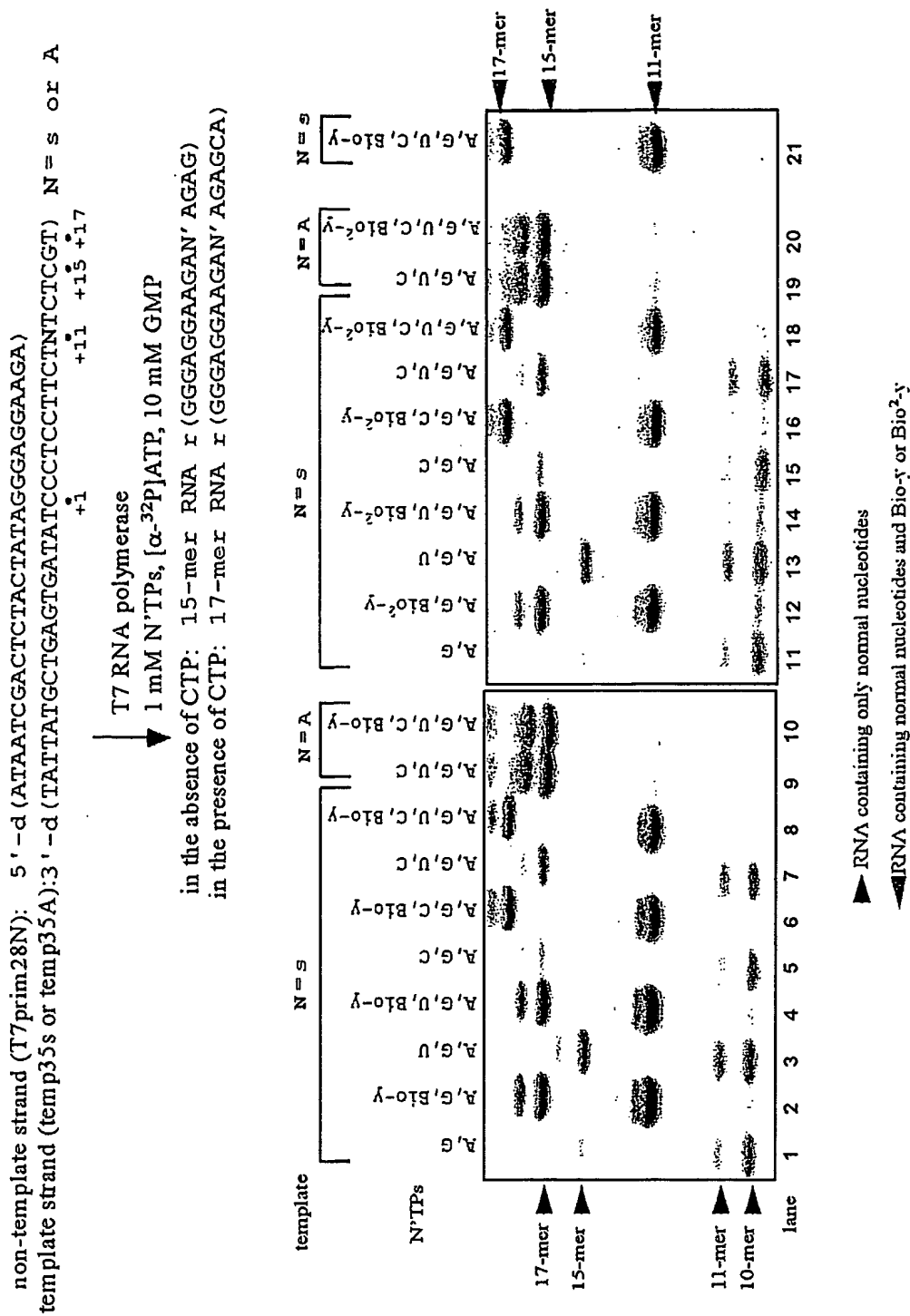


Figure 19